Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1-2. (Cancelled)

3. (Previously presented) An isolated nucleic acid comprising the sequence of SEQ ID NO:115.

4-46. (Cancelled)

47. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence at least 95% identical to the sequence of SEQ ID NO: 115, wherein said isolated polynucleotide encodes a toxin that is capable of binding to a sodium channel.

48. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence at least 90% identical to the sequence of SEQ ID NO: 115, wherein said isolated polynucleotide encodes a toxin that is capable of binding to a sodium channel.

49. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence at least 85% identical to the sequence of SEQ ID NO: 115, wherein said isolated polynucleotide encodes a toxin that is capable of binding to a sodium channel.

50. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence at least 83% identical to the sequence of SEQ ID NO: 115, wherein said

isolated polynucleotide encodes a toxin that is capable of binding to a sodium channel.

51. (Withdrawn) A recombinant vector comprising the nucleic acid of claim 3.

52. (Withdrawn) A recombinant vector comprising the nucleic acid of claim 3 operatively associated with a regulatory sequence that controls gene expression.

53. (Withdrawn) A genetically engineered host cell comprising the vector of claim 52.

54. (Withdrawn) A method for producing a polypeptide, comprising:
(a) culturing the genetically engineered host cell of claim 53 under conditions suitable to produce the polypeptide; and
(b) recovering the polypeptide from the cell culture.

55. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 47.

56. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 47 operatively associated with a regulatory sequence that controls gene expression.

57. (Withdrawn) A genetically engineered host cell comprising the vector of claim 56.

58. (Withdrawn) A method for producing a polypeptide, comprising:
(a) culturing the genetically engineered host cell of claim 57 under conditions suitable to produce the polypeptide; and
(b) recovering the polypeptide from the cell culture.

59. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 48.

60. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 48 operatively associated with a regulatory sequence that controls gene expression.

61. (Withdrawn) A genetically engineered host cell comprising the vector of claim 60.

62. (Withdrawn) A method for producing a polypeptide, comprising:
(a) culturing the genetically engineered host cell of claim 61 under conditions suitable to produce the polypeptide; and
(b) recovering the polypeptide from the cell culture.

63. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 49.

64. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 49 operatively associated with a regulatory sequence that controls gene expression.

65. (Withdrawn) A genetically engineered host cell comprising the vector of claim 64.

66. (Withdrawn) A method for producing a polypeptide, comprising:
(a) culturing the genetically engineered host cell of claim 65 under conditions suitable to produce the polypeptide; and
(b) recovering the polypeptide from the cell culture.

67. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 50.

68. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 50 operatively associated with a regulatory sequence that controls gene expression.

69. (Withdrawn) A genetically engineered host cell comprising the vector of claim 68.

70. (Withdrawn) A method for producing a polypeptide, comprising:

(a) culturing the genetically engineered host cell of claim 69 under conditions suitable to produce the polypeptide; and

(b) recovering the polypeptide from the cell culture.